

Message Text

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ORIGIN IO-13

INFO OCT-01 AF-08 ARA-10 EUR-12 EA-09 NEA-10 ISO-00
CIAE-00 DODE-00 PM-04 H-02 INR-07 L-03 NSAE-00 NSC-05
PA-02 PRS-01 SP-02 SS-15 USIA-15 OES-06 COME-00 EB-08
OMB-01 TRSE-00 ABF-01 SIG-02 /137 R

DRAFTED BY IO/SCT:FSLANCETTI/NOAA:NJOHNSON:DSARGEANT:GB
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ARA:JOHN F KING
EUR:WZIMMERMAN
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IO/ML:WKRIEBEL
OES:IMPIKUS
AF:JWHITING
NEA/RA:SPERRY

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R 081932Z FEB 77
FM SECSTATE WASHDC
TO AMEMBASSY ABU DHABI
AMEMBASSY ALGIERS
USINT BAGHDAD
AMEMBASSY BERLIN
AMEMBASSY BERN
AMEMBASSY BUENOS AIRES
AMEMBASSY CAIRO
AMEMBASSY CARACAS
AMEMBASSY COPENHAGEN
AMEMBASSY DOHA
AMEMBASSY JAKARTA
AMEMBASSY JIDDA
AMEMBASSY KUWAIT
AMEMBASSY LAGOS
AMEMBASSY MEXICO
AMEMBASSY NEW DELHI
AMEMBASSY OSLO
AMEMBASSY PRAGUE
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AMCONSUL RIO DE JANEIRO
AMEMBASSY ROME
AMEMBASSY THE HAGUE
AMEMBASSY TEHRAN
AMEMBASSY TRIPOLI
AMEMBASSY WARSAW
INFO AMEMBASSY BONN
USMISSION GENEVA
AMEMBASSY HELSINKI
AMEMBASSY LONDON

AMEMBASSY NAIROBI
AMEMBASSY OTTAWA
AMEMBASSY PARIS
AMEMBASSY STOCKHOLM

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NAIROBI FOR UNEP PERMREP

E.O. 11652: N/A

TAGS: WMO, TGEN

SUBJECT: WMO: SUPPORT FOR FIRST GARP GLOBAL EXPERIMENT
(FGGE)

1. AFTER A DECADE OF PLANNING, THE FIRST GLOBAL GARP EXPERIMENT (FGGE) OF THE GLOBAL ATMOSPHERIC RESEARCH PROGRAM (GARP) IS NEAR AT HAND. THE EXPERIMENT IS BEING CONDUCTED UNDER THE AUSPICES OF THE WORLD METEOROLOGICAL ORGANIZATION (WMO) WITH THE INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS (ICSU) AND ITS MAIN OBJECTIVE IS THE STUDY OF THE PHYSICAL BASIS OF THE WEATHER IN ORDER TO PERMIT FUNDAMENTAL IMPROVEMENTS IN OUR UNDERSTANDING AND PREDICTION OF WEATHER PHENOMENA. MOST OF THE MAJOR OBSERVING SYSTEMS AND DATA MANAGEMENT CENTERS HAVE BEEN COMMITTED. THERE REMAIN UNCLASSIFIED

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ONLY SMALL, BUT CRITICAL, ADDITIONAL RESOURCES NECESSARY TO REACH ALL THE OBJECTIVES OF THE EXPERIMENT.

2. THE MOST SERIOUS GAP IS IN THE COMMITMENTS OF OBSERVING SYSTEMS NEEDED TO MEASURE ADEQUATELY THE THREE DIMENSIONAL WIND FIELD IN THE TROPICS. ONE OF THE PRINCIPAL OBSERVING COMPONENTS COMPRISES ESPECIALLY EQUIPPED SHIPS. ABOUT 25 SHIPS HAVE BEEN COMMITTED, AND THERE ARE PRELIMINARY INDICATIONS THAT A COMPARABLE NUMBER OF ADDITIONAL SHIPS CAN BE PROVIDED. HOWEVER, ALL BUT 15 OF THE TOTAL REQUIRE

SPECIALIZED WINDFINDING EQUIPMENT. THE USE OF SPECIAL NAVAID EQUIPMENT TO OBTAIN WINDS CAN BE APPLIED, AND THE WMO HAS UNDERTAKEN DEVELOPMENT AND PROCUREMENT OF A SUITABLE SYSTEM.

3. MEMBER STATES HAVE ALREADY COMMITTED IN THEIR OWN PROGRAMS WELL OVER A \$100 MILLION TO ESTABLISH THE PRINCIPAL ELEMENTS OF THE FGGE. IN ORDER TO MEET THE GOALS OF THE FGGE AND TO REALIZE THE FULL POTENTIAL OF THIS ENORMOUS INTERNATIONAL INVESTMENT, ADDITIONAL CONTRIBUTIONS ON THE ORDER OF \$2 MILLION ARE NEEDED WITHIN THE NEXT FEW MONTHS.

4. IN JUNE 1976, THE 28TH SESSION OF THE WMO EXECUTIVE COMMITTEE ESTABLISHED A "SPECIAL TEMPORARY, VOLUNTARY FGGE FUND, TO RECEIVE CONTRIBUTIONS IN CASH OR IN-KIND FOR ALL FGGE REQUIREMENTS NOT PRESENTLY COMMITTED BY MEMBERS, AND WHICH CANNOT BE MET THROUGH THE VOLUNTARY ASSISTANCE PROGRAM OR OTHER MEANS." ON JULY 16, 1976, FOLLOWING THE EXECUTIVE COMMITTEE DECISION, THE SECRETARY GENERAL OF WMO SENT A LETTER TO THE FOREIGN MINISTERS OF MEMBER STATES OF THE WMO URGING THEIR CONTRIBUTIONS TO THE FUND.

5. WE UNDERSTAND THE CURRENT STATUS OF CASH CONTRIBUTIONS IN SUPPORT OF FGGE AS FOLLOWS: SAUDI ARABIA, 3 MILLION
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RIYALS (ABOUT \$850,000); NETHERLANDS ANTILLES, \$3,500; BURMA, \$1,000. IN ADDITION, THE UNITED NATIONS ENVIRONMENT PROGRAM (UNEP) HAS AGREED TO SUPPORT FGGE, BECAUSE OF ITS RELATIONSHIP TO UNEP OBJECTIVES, WITH A \$1 MILLION CONTRIBUTION.

6. THE UNITED STATES GOVERNMENT HOPES THAT ADDITIONAL EFFORTS ON THE PART OF OTHERS WILL ENABLE THE REMAINING \$2 MILLION GAP TO BE CLOSED, THUS ENSURING THE FULL IMPLEMENTATION OF THE FGGE PROGRAM WHICH IS OF GREAT IMPORTANCE TO ALL MEMBERS. AS OUTLINED IN THE DRAFT TEXT BELOW, THE US HAS ALREADY MADE MAJOR CONTRIBUTIONS TO THE FGGE PROGRAM. THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA), HOWEVER, IS NOW TAKING STEPS TO SUPPORT THE DEVELOPMENT PHASE OF THE WMO NAVAID SYSTEM MENTIONED IN PARA 2 ABOVE.

7. ACTION ADDRESSEE POSTS, UNLESS THEY PERCEIVE OBJECTIONS, ARE REQUESTED TO DELIVER A NOTE ALONG THE FOLLOWING LINES TO THE APPROPRIATE FOREIGN OFFICE OFFICIAL. THE DEPT SUGGEST THAT THE APPROACH BE MADE BY THE SCIENTIFIC ATTACHE OR SCIENTIFIC REPORTING OFFICER, WHERE SUCH OFFICERS EXIST, TO THE SCIENCE OFFICE OR THE UN BUREAU IN THE FOREIGN OFFICE OR MINISTRY. SPANISH AND FRENCH TRANSLATIONS FOLLOW SEPTTEL FOR ARA POSTS AND ALGIERS RESPECTIVELY.

8. BEGIN QUOTE: AFTER A DECADE OF PLANNING, THE FIRST GLOBAL EXPERIMENT OF THE GLOBAL ATMOSPHERIC RESEARCH PROGRAM (GARP) IS NEAR AT HAND. THE FIRST GARP GLOBAL EXPERIMENT (FGGE) HAS BEEN DESIGNED TO PERMIT FUNDAMENTAL IMPROVEMENTS IN THE UNDERSTANDING AND PREDICTION OF GLOBAL WEATHER PHENOMENA. THE RESULTS OF THE EXPERIMENT ARE EXPECTED TO ASSIST ALL COUNTRIES IN IMPROVING THEIR WEATHER FORECASTS AND OTHER SERVICES THAT WILL YIELD ECONOMIC AND SOCIAL BENEFITS THROUGH IMPROVED PLANNING OF AGRICULTURAL AND WATER USE PRACTICES, TRANSPORTATION, DISTRIBUTION OF ENERGY AND OTHER IMPORTANT WEATHER SENSITIVE
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TIVE ACTIVITIES.

9. QUOTE: MEMBERS STATES OF THE WMO HAVE ALREADY COMMITTED IN THEIR OWN PROGRAMS WELL OVER A \$100 MILLION TO ESTABLISH THE PRINCIPAL ELEMENTS OF THE FGGE. IN ORDER TO MEET THE GOALS OF THE FGGE AND TO REALIZE THE FULL POTENTIAL OF THIS ENORMOUS INTERNATIONAL INVESTMENT, ADDITIONAL CONTRIBUTIONS ON THE ORDER OF \$2 MILLION ARE NEEDED.

10. QUOTE: THE MOST SERIOUS GAP IS IN THE COMMITMENTS OF OBSERVING SYSTEMS NEEDED TO OBSERVE ADEQUATELY THE EQUATORIAL TROPICAL REGIONS OF THE GLOBE. MANY COUNTRIES HAVE COMMITTED SHIPS, AIRCRAFT, LAND AND ISLAND STATIONS TOWARD THIS REQUIREMENT. HOWEVER, ADDITIONAL CONTRIBUTIONS IN CASH OR IN-KIND ARE URGENTLY NEEDED TO PROVIDE SPECIALIZED OBSERVING EQUIPMENT. THE WMO SECRETARIAT HAS UNDERTAKEN AN INTERNATIONAL PROCUREMENT OF THE REQUIRED EQUIPMENT. APPROXIMATELY \$4 MILLION ARE NEEDED TO EQUIP THE EXPECTED NUMBER OF PARTICIPATING SHIPS. OF THIS AMOUNT, WE UNDERSTAND THAT APPROXIMATELY \$2 MILLION HAVE NOW BEEN COMMITTED, THUS LEAVING A GAP OF A SIMILAR AMOUNT OF \$ 2 MILLION.

11. QUOTE: THE WMO EXECUTIVE COMMITTEE AT ITS 28TH SESSION IN JUNE 1976, ESTABLISHED A SPECIAL VOLUNTARY FUND TO RECEIVE CONTRIBUTIONS IN CASH OR IN-KIND FOR ALL FGGE REQUIREMENTS NOT PRESENTLY COMMITTED BY MEMBERS OR WHICH CANNOT BE MET THROUGH THE WMO'S VOLUNTARY ASSISTANCE PROGRAM OR THROUGH OTHER MEANS. THE EXECUTIVE COMMITTEE DECIDED THAT THE HIGHEST PRIORITY FOR THE USE OF THIS FUND SHOULD BE GIVEN TO THE ACQUISITION OF OCEAN BUOYS, CONSTANT LEVEL BALLOONS AND NAVIGATION AID SYSTEMS FOR TROPICAL WIND MEASUREMENTS, WHICH REQUIRE LONG LEAD TIMES FOR THEIR MANUFACTURE AND FOR WHICH PRESENT NATIONAL COMMITMENTS ARE INADEQUATE. THIS SPECIAL FUND WAS UNCLASSIFIED

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PARTICULARLY ESTABLISHED TO ENABLE THOSE MEMBERS WHICH HAVE

NOT ALREADY CONTRIBUTED SIGNIFICANTLY TO THE SUPPORT OF FGGE TO DO SO. THE WMO SECRETARY GENERAL TRANSMITTED COPIES OF THIS RESOLUTION TO FOREIGN MINISTERS BY LETTER DATED JUNE 16, 1976, IN WHICH HE URGED GOVERNMENTS ABLE TO DO SO TO CONTRIBUTE.

12. QUOTE: THIS REQUEST BY THE WMO FOR ADDITIONAL SUPPORT FOR FGGE IS OF UTMOST IMPORTANCE FOR THE SUCCESSFUL COMPLETION OF THIS SCIENTIFIC EXPERIMENT. THE DATA FROM FGGE WILL HAVE UNPRECEDENTED VALUE WHICH CANNOT BE EXPECTED TO

BE DUPLICATED FOR MANY YEARS. THE NEW SYSTEMS WHICH ARE DEVELOPED FOR THE FGGE AND THOSE WHICH ARE PLANNED IN LATER YEARS WILL BE DESIGNED AND USED TO TAKE MAXIMUM ADVANTAGE OF THE RESULTS OBTAINED FROM FGGE. WE SHOULD HAVE THEN A SIGNIFICANTLY IMPROVED WORLD WEATHER WATCH BY THE 1980'S AND A SOUND BASIS FOR IMPROVED SERVICES TO ACTIVITIES DEPENDENT UPON THE WEATHER.

13. QUOTE: THE UNITED STATES HAS ALREADY MADE MAJOR COMMITMENTS TO THIS IMPORTANT EXPERIMENT, INCLUDING TWO GEOSTATIONARY METEOROLOGICAL SATELLITES, TWO POLAR ORBITING METEOROLOGICAL SATELLITES, A MAJOR AIRCRAFT OBSERVING PROGRAM FOR THE TROPICS, ADDED ISLAND STATIONS, DRIFTING BUOYS, CONSTANT LEVEL BALLOONS, MAJOR DATA COLLECTION AND PROCESSING ACTIVITIES, AND A LARGE RESEARCH EFFORT. TO HELP FULFILL THE REMAINING REQUIREMENTS, THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) HAS RECENTLY PROVIDED \$300,000 TO SUPPORT DEVELOPMENT OF A SHIPBOARD NAVIGATION AID SYSTEM FOR USE IN FGGE.

14. QUOTE: IN VIEW OF THE LONG-RANGE IMPORTANCE OF THIS WORLDWIDE EXPERIMENT TO ALL COUNTRIES, THE UNITED STATES HOPES THAT OTHER GOVERNMENTS WILL FIND IT POSSIBLE TO CONTRIBUTE TO THE WMO'S SPECIAL FGGE FUND TO HELP ENSURE THAT UNCLASSIFIED

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THIS GLOBAL EXPERIMENT IS SUCCESSFULLY CONCLUDED. END QUOTE.

15. ACTION ADDRESSEES ARE A SELECTION OF MEMBERS OF THE WMO WHICH ARE NOT ALREADY SIGNIFICANT CONTRIBUTORS TO THE FGGE (WITH THE EXCEPTION NOTED BELOW) BUT WHICH MAY, IF ENCOURAGED, BE IN A POSITION TO MAKE CONTRIBUTIONS.

16. FOR JIDDA: AS NOTED IN PARA 5 ABOVE, SAUDI ARABIA HAS MADE A SUBSTANTIAL CONTRIBUTION TO THE SPECIAL FGGE FUND. EMBASSY, IN ITS DISCRETION, MAY THEREFORE WISH TO CHANGE PARA 14 ABOVE TO READ AS FOLLOWS: QUOTE: IN VIEW OF THE LONG RANGE IMPORTANCE OF THIS WORLDWIDE EXPERIMENT TO ALL COUNTRIES, THE US WISHES TO EXPRESS ITS APPRECIATION FOR THE SUPPORT SAUDI ARABIA HAS GIVEN TO THIS SIGNIFICANT INTERNATIONAL EXPERIMENT. THE US IS SENDING SIMILAR NOTES TO OTHER LIKELY DONOR NATIONS ASKING THAT THEY BE GENEROUS IN THEIR SUPPORT ALSO. END QUOTE.

17. FOR POSTS BORDERING THE SOUTH ATLANTIC: FGGE IS DESIGNED TO ACCOMPLISH ON A WORLDWIDE BASIS THE METEOROLOGICAL DATA COLLECTION GOALS OF THE GARP ATLANTIC TROPICAL EXPERIMENT (GATE), CARRIED OUT DURING THE SUMMER OF 1975 IN THE SOUTH ATLANTIC AND FOR WHICH DAKAR WAS THE STAGING AREA. THE GATE WAS CONSIDERED A HIGHLY SUCCESSFUL INTERNATIONAL EXPERIMENT.

18. HOST GOVERNMENTS OF INFORMATION ADDRESSEES (EXCEPT NAIROBI) ARE ALREADY SUBSTANTIAL CONTRIBUTORS TO THE FGGE, EITHER THROUGH COMMITMENTS IN THEIR OWN PROGRAM IN SUPPORT OF THE FGGE OR BY CONTRIBUTIONS TO THE WMO VOLUNTARY ASSISTANCE PROGRAM. INFO ADDRESSEES IN THEIR DISCRETION MAY INFORM APPROPRIATE OFFICIALS OF APPROACHES BEING MADE BY USG IN EFFORT STIMULATE FURTHER CONTRIBUTIONS TO FGGE. US WOULD OF COURSE WELCOME SUCH ADDITIONAL CONTRIBUTIONS AS THESE HOST GOVERNMENTS MAY FIND IT POSSIBLE TO MAKE THEM- UNCLASSIFIED

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SELVES. US WOULD ALSO WELCOME PARALLEL OR ADDITIONAL APPROACHES SUCH GOVERNMENTS MIGHT BE WILLING UNDERTAKE WITH OTHERS.

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Message Attributes

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Copy: SINGLE
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Decaption Date: 01-Jan-1960 12:00:00 am
Decaption Note:
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Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
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SAS ID: 3233484
Secure: OPEN
Status: NATIVE
Subject: WMO: SUPPORT FOR FIRST GARP GLOBAL EXPERIMENT (FGGE)
TAGS: TGEN, WMO, GARP, FGGE
To: ABU DHABI ALGIERS MULTIPLE
Type: TE
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